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CHHIARKAWP  
BU KHATNA



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# **CHELARKAWP**

## **BU KHATNA**

By

**Thanhuama, B.A., B.T.**  
**Council Education Officer.**



**Printed and Published by**

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**1951**



# CHHIARKAWP

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Thanthuama, B A , B T.  
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*1st Edition*

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ZIKI Printing Press, Kulkawn, Aijal, Mizo District.

1963

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***1963***



# THUHMAHRUAI

Tun hma lam zawngh kha chuan Primary zirlai atân Chhiarkawp Bu pathum (Bu khatna, Bu hnibna, Bu thumna) chauh kan nei a Amaherawh-chu Kamina Text Book Committee chuan the tâwk lovin a hria a Pawl hrang hrang tân bu hrang theuh zel, (inhman tawm tawh lova) buatsaih târa min tih angin ka han siam tan a. Zirtirtu leh naupangto tân pawh a remchân sâwk hle tawh ka beisei

Tuna mi hi a tan tirbna a nih avângin a the tâwk lovin a famkim tâwk lo pawh a ni mai thei a, chuvângin tupawhin a that zâwkna dân tûr rawtna te min han neihpui theih chuan mi han hriattir thei ula ka lâwm ngawt ang

He Chhiarkawp Bu Khatna hi Zo ram zirnaîn hmasâwn zêl nâna a tangkaipui ka beisei

Dated Aijal.  
The 7th October, 1963.

Thanthuma  
Education Officer  
Mizo District Council.

## SYLLABUS.

**Class I —** Chhiarkawp bu khatna a pumia.  
Number 10,000 thlenga ziak leh chhiar  
leh a awmzia hriat ohiantir tûr a ni.  
Figure 1—1,000 thleng hmangin belh  
pah, puntir leh sem tihur tur a ni  
Tangka Tangka belh, pah, puntir,  
leh sem tihur tûr a ni  
Hmun  $16 \times 10$  thlenga zirtir tûr a  
ni. Rirru ohhiarkawp 100 thlengin  
belh, pah, puntir leh sem tihur  
tur.

## BUNG I

## BELH

Number tman dân chu naupangten pāwl hniam lamah an lo hre nial nual tawh a. Number hian zāwkte hman dân leh an en tūrte chu chiang taka an hriat fiah theihna tūm chung number te leh chhinchhiahnate chu fimkhur takin kan zirtir tūr a ni.

Entirna — Number te chu a indawt dân taka kan ziak thum theih nân entirna eng hian tih fo tūr a ni = 425, 264, 43, 123 hi belh ta na.

Number hrang hrangte chu kan belh      Z   S   P  
dāwn chuan entirnaa mi eng hian      \*

“pa” hmuna mi te, “sawm” hmuna      4   2   5

mi te, “za” hmuna mi te chu in-      2   6   4

zāwn theuhvin kan dah tūr a ni      4   3

1   2   3

Tichuan “pa” zāwna mi      8   5   5

zawng zawng chu kan belh ang a,

$5+4+3+3=15$  a ni a, “pa” hmuna mi 5 hi “pa”

hmunah kan dah ang a, sawm hmuna mi “1”

(sawm khat) hi kalpui a ni (Sawm hmun chung

lama figure tó bika kan dah ang khian) Sawm

hmuna mi hi kan belh leh hunah kan belh tel ang

Tichuan sawm hmuna mi zawng chu  $1+2+6+4+2$

=15 a lo ni ang Tichuan "5" kh "sawm" hmuah kan dah ang a, "1" leh hi chu kalpui a ni leh ang. Chutiang nêin "ze" hmuna ni chu kalpui nêin kan belh leh ang a,  $1+4+2+1=8$  a lo ni ang Tichuan a chhuak chu 855 a lo ni ang. Number engzât pawh belh dâwn ila hetiang zel hian a kal ang.

## TIHTUR 1

## A

Belh rawh —

1.	13	2	72	3	73	4	84
	24		85		97		17
	30		90		16		52
	14		36		68		78
5	57	6.	27	7	21	8	96
	46		72		53		81
	93		18		38		45
	16		19		73		78
9.	20	10.	39	11	54	12	89
	38		29		90		24
	47		72		71		74
	93		45		29		93
			13		36		35

# CHHIARKAWP BU KHATNA

3

13	28	14.	59	15	25	16.	45
	77		88		27		17
	50		17		48		18
	33		26		16		13
	86		28		36		14
17	66	18 <sup>v</sup>	45	19	63	20	42
	39		58		87		24
	74		34		49		85
	56		22		36		48
	23		67		55		34
21.	65	22.	43	23	68	24.	56
	89		22		24		49
	38		85		42		17
	76		74		25		21
	45		69		28		36

## AW

1.	452	2	374	3	418	4	519
	378		516		372		327
	117		93		205		102
5.	135	6.	384	7	527	8	373
	483		253		123		259
	329		169		99		121

9.	253	10.	374	11.	456	12.	129
	149		289		217		297
	517		132		309		531
13.	229	14.	384	15.	392	16.	18
	347		47		324		109
	199		318		109		310
17.	256	18.	196	19.	432	20.	167
	313		97		256		259
	99		308		139		381
21.	455	22.	439	23.	253	24.	99
	366		87		514		107
	199		108		109		713

## B

Figure-in ziak rawh

1. Za leh sawm.
  2. Zahnih leh sawmthum leh pali.
  3. Zali leh sawmli leh pali.
  4. Zaruk leh sawmnga leh pali
  5. Zathum leh sawmriat leh pakua.
  6. Zanga leh sawmli leh paruk.
  7. Zasarih leh panga.
  8. Zakua leh sawmli leh pariat.
  9. Zariat leh sawm leh pahnih.
  10. Sängkhat leh zahnih leh sawmthum.
  11. A thuin ziak rawh :—
- 25, 95, 101, 280, 375, 740, 879, 986, 859, 1242.

1. 68 ah hian 25 belh rawh.
2. 45 leh 60 hi engzátngé ?
3. 75 ah hian 27 belh rawh
4. Sawmhni h leh pakhat leh sawmli leh pathum  
hi engzátngé ?
5. Sawmsari h leh pasar h-ah hian sawmga leh  
pali belh la, engzátngé ni ang ?
6. Sâwm leh pahni h, sa leh sâwm leh panga,  
sawmthum leh paruk to hi belh rawh.
7. 62 leh 28 leh 32 leh 30 belh khâwm hi eng-  
zátngé ?
8. 70 ah hian 40 belh la, tin, 25 belh leh la,  
engzátngé tling ang ?
9. Zanga leh sawmthum leh paruk leh 274 belh  
hi engzátngé ?
10. 300 leh 495 leh 21 belhkhâwm hi engzátngé  
tling ang ?

## BUNG II

## PAIH



Paih awmzia A chhaka square khi kan han chhiar chuan squares paruk a awm tih chu kab hro ngbâl ang a, kbita squares 6 atang khian square 2 khi paih kan duh a, chu mi paih kan duh square-to chu lo thai hâng ila, a bâng chu han chhiar ila, squares 4 a la awm tih kan bmu ang a Hei li figure-in kan entîr thin —  $6-2=4$

Paih li thul intam bleizia hriatna a ni bawh

Paih dân entirna (a) Paih mawl —

S P

4 5 P 

2 4 —

2 1 S 

Ô atanga 4 kan paih chuan (P square khi en la) 1 chauh a bâng ang,  $5-4=1$  Tin, (sâwm bi) 4 atangin (sâwm bi) 2 kan paih leh ang a, (S square khi en leh la) 2 chauh a bâng ang,  $4-2=2$ . Tûnah bian Lei li kan lo ti ta a ni — Sawmh



leh panga (45) atangin sawmbunh leh pali (24)  
kan pah a, a bang chu sawmbunh leh pakhat (21)  
a lo ni 21 chu a dikna a lo ni ta a ni.

(b) Pah pûk dân 1-na

$$\begin{array}{r} Z \ S \ P \\ 4 \ 3 \ 8 - \\ \underline{2 \ 1 \ 9} \\ 2 \ 1 \ 9 \end{array}$$

Hei hi chu pah mawl anga tih ve mai  
theih a ni lo va, tih dân dang deuh an hmang  
thin.

Hetiingin — (a chhaka figure khi en ila)  
8 atangin 9 a pah theih loh tih kan hre theuh  
ang a Chuvângin sawm bi 3 atang khian sawm  
bi 1 kan pûk a, tichuan 8 awm sa nên chuan  
18 a lo ni a, chuta tanga 9 kan pah chuan 9 a  
la bang ang—  $18-9=9$  Tin, sawm bi 3 atanga  
sawm bi kan pûk avâng khân sawm bi 2 a lo  
ni tawh a,  $2-1=1$  (sawm bi 1 kan pûk hêk  
avâng khân 2 atanga 1 pah ang kan lo ni ta a  
nih chu)

Tin, za bia 4 atang khian za bi 2 khi kan  
pah leh a, hetiingin —  $4-2=2$  a la bang a  
Chotichuan 438 atanga 219 kan lo pah chuan,  
219 a la bang tih kan lo hre thei ta a ni.

(c) Paib pūk dân 2-na —

$$\begin{array}{r} Z \ S \ P \\ 8 \ 9 \ 0- \\ \underline{7 \ 3 \ 9} \\ \underline{1 \ 5 \ 1} \end{array}$$

Het hi paib dân chi brang ve rêng a ni a,  
het hi hian an ti thîn —

Tûnah “pa” (p) zâwnah kan paib tûr 9 hi  
0 atang khian a paib theih loh va, chuwângin 10  
kan han belh ringawt a, tichuan 10 atanga 9 ;aih  
chu  $(10-9)=1$  a lo ni a. Amaherawhchu a chung  
zâwk 10 kan belh avâng khân a hnuaí zâwk  
sâwm bi hmun (kan paib leh târah) 10 belh leh ve  
ngoi tûr a ni Tichuan sâwm (S) hmuna 1 leh  
sâwm (S) hmuna 3 chu sâwm hlir 4 a lo ni a,  
9 atanga 4 paib chu  $(9-4)=5$  a lo ni a, tin, 8  
atanga 7 kan paib chuan 1 a lo awm a ni.

Paib rêng rêng hi a dik lek dik loh i briat  
duh chuan, a dikna leh a hnuaí zâwk (paib târa  
zâwk) kha belh la, a chung zâwk (a paihte zâwk)  
sât chiah kha (i paib dik chuan) a lo chhuak ang.

TIHTUR 2

A

Paib rawb .—

1.	84	7	70	13	77	19.	871
	62		29		43		257

2.	99	8.	83	14.	91	20.	761
	77		45		98		247

3	69	9	44	15.	85	21.	240
	51		28		17		18

4	34	10	96	16.	88	22.	166
	17		73		33		139

5.	86	11.	99	17.	65	23.	752
	59		45		28		239

6.	92	12.	72	18	76	24	631
	55		48		69		408

## AW

Paih rawh —

1.	127— 62	21	202— 123
2	159— 92	22	310— 579
3.	100— 71	23	560— 242
4	112— 68	24	946— 748
5.	101— 97	25	1234— 567
6.	382—272	26.	1010— 69
7	546—338	27	1060— 179
8.	300—171	28	604— 564
9.	204— 48	29	1000— 27
10	500—403	30	712— 193
11.	607—179	31.	921— 899
12	908—127	32	623— 234
13.	550—258	33.	738— 245
14.	600—327	34.	900— 899
15	635—591	35.	589— 377
16.	591—268	36.	1117— 900
17	624—156	37.	1333—1245
18.	870—456	38.	1234— 567
19.	947—848	39.	1098— 729
20	201—164	40.	1900— 899

## B

Eng number nge tol?

- |                   |                    |
|-------------------|--------------------|
| (1) C2— ? = 17    | (5) ? — 502 = 130  |
| (2) 769— ? = 144  | (6) 445— ? = 15    |
| (3) ? — 238 = 196 | (8) 678— ? = 444   |
| (4) 780— ? = 123  | (9) 1020— ? = 100  |
| (7) 880— ? = 191  | (10) ? — 19 = 2100 |

## CH

- 392 atarg hian 293 paib rawh
- 1500 atarg hian 780 paib la, engzátngé la lāng ang?
- Zah leh sawn hnih leh patlum atarg hian za-thum leh sawm paib rawh.
- 972 atang hian zariat leh sawm leh pasarih paib la, engzátngé la lāng ang?
- 856 atarg hian 656 paib la, a la bāng atang chuan 100 paib leh rawh
- Saiblum 250 ka nei a, 75 ka paib a, engzátngé ka la nei?
- Zesarih leh panga atang hian zahnih leh sawm paib rawh.
- Sārgkhat leh za leh sawm leh panga atang hian sāng khat leh za paib rawh.
- Sārgkhat atang hian 425 paib la, tin, 75 paib leh la, engzátngé la lāng ang?

## BUNG III.

## PUNTÍR

Number thuhmun engemaw zát tam lam hmuohhhuahna emaw, number pakhat ringawt, a vawí eng anga tam emaw, tam lam hmuohhhuahna awlam ber chu "PUNTÍR" kan ti thin. He m: ohhinoohhiaha 'x' hi number pahuh inkára a awm ohuan, chu number "vawí" emaw, hmun emaw zát (time) ohhinoohhiaha a ni a, ohung number chu puntir túr tihna a ni. Tichuan  $2 \times 3 = 6$  tih chu, 2 vawí 3 chu 6 a ni, tihna a ni.

Tin, 6 hliir vawí 8 belh ta íla,  $6+6+6+6+6+6+6+6=48$  a ni. Amaherawhohu puntir dân kan sir a, hmun kan lo hriat tawb chuan, 6 hliir vawí 8 ziah ohhuah ai chuan dân awlam zátin puntir dân kan ti thei:  $6 \times 8 = 48$ . Tichuan "Puntir" awmzia chu "belh kaitawí" kan ti thei ang. He ni dân ang hian, number hian tak tak hmun inas chu awl takin kan tichhuak thei a ni.

2	3	4	5	6	7	8	9
1-2	1-3	1-4	1-5	1-6	1-7	1-8	1-9
2-4	2-6	2-8	2-10	2-12	2-14	2-16	2-18
3-6	3-9	3-12	3-15	3-18	3-21	3-24	3-27
4-8	4-12	4-16	4-20	4-24	4-28	4-32	4-36
5-10	5-15	5-20	5-25	5-30	5-35	5-40	5-45
6-12	6-18	6-24	6-30	6-36	6-42	6-48	6-54
7-14	7-21	7-28	7-35	7-42	7-49	7-56	7-63
8-16	8-24	8-32	8-40	8-48	8-56	8-64	8-72
9-18	9-27	9-36	9-45	9-54	9-63	9-72	9-81
10-20	10-30	10-40	10-50	10-60	10-70	10-80	10-90
11-22	11-33	11-44	11-55	11-66	11-77	11-88	11-99
12-24	12-36	12-48	12-60	12-72	12-84	12-96	12-108
13-26	13-39	13-52	13-65	13-78	13-91	13-104	13-117
14-28	14-42	14-56	14-70	14-84	14-98	14-112	14-126
15-30	15-45	15-60	15-75	15-90	15-105	15-120	15-135
16-32	16-48	16-64	16-80	16-96	16-112	16-128	16-144

10	11	12	13	14	15	16
1-10	1-11	1-12	1-13	1-14	1-15	1-16
2-20	2-22	2-24	2-26	2-28	2-30	2-32
3-30	3-33	3-36	3-39	3-42	3-45	3-48
4-40	4-44	4-48	4-52	4-56	4-60	4-64
5-50	5-55	5-60	5-65	5-70	5-75	5-80
6-60	6-66	6-72	6-78	6-84	6-90	6-96
7-70	7-77	7-84	7-91	7-98	7-105	7-112
8-80	8-88	8-96	8-104	8-112	8-120	8-128
9-90	9-99	9-108	9-117	9-126	9-135	9-144
10-100	10-110	10-120	10-130	10-140	10-150	10-160
11-110	11-121	11-132	11-143	11-154	11-165	11-176
12-120	12-132	12-144	12-156	12-168	12-180	12-192
13-130	13-143	13-156	13-169	13-182	13-195	13-208
14-140	14-154	14-168	14-182	14-196	14-210	14-224
15-150	15-165	15-180	15-195	15-210	15-225	15-240
16-160	16-176	16-192	16-208	16-224	16-240	16-256

## TIHTUR 3

## A

Puntlr rawh —

1	$8 \times 4$	12	$12 \times 5$	23	$39 \times 9$
2.	$11 \times 5$	13	$16 \times 8$	24	$73 \times 8$
3	$8 \times 6$	14	$22 \times 4$	25	$25 \times 5$
4	$9 \times 7$	15	$32 \times 3$	26	$26 \times 6$
5	$12 \times 3$	16.	$36 \times 2$	27	$22 \times 44$
6	$13 \times 2$	17.	$38 \times 3$	28	$34 \times 4$
7	$44 \times 2$	18	$23 \times 2$	29	$95 \times 5$
8.	$16 \times 6$	19	$33 \times 2$	30	$68 \times 5$
9.	$12 \times 8$	20	$28 \times 2$	31	$78 \times 6$
10.	$14 \times 7$	21	$43 \times 3$	32.	$85 \times 3$
11.	$13 \times 6$	22.	$56 \times 7$	33	$69 \times 4$

## AW

Number kim lo hi dah khat rawh —

1.	$7 \times \dots = 14$	8.	$\dots \times 5 = 35$
2.	$6 \times \dots = 30$	9.	$9 = 9 \times \dots$
3.	$8 \times \dots = 0$	10.	$4 \times \dots = 24$
4.	$5 \times \dots = 20$	11.	$7 \times \dots = 35$
5.	$45 = 5 \times \dots$	12	$5 = \dots \times 5$
6.	$7 \times \dots = 7$	13.	$8 \times \dots = 40$
7.	$8 \times \dots = 24$	14.	$6 \times \dots = 18$



15	$7 +$	28	28	$8 \times$	$= 64$
16	$30 -$	$7 \times$	29	$10 =$	$5 \times$
17	$0 =$	$7 \times$	30	$81 -$	$. \times 9$
18	$6 \times$	$= 54$	31	$6 \times$	$= 36$
19	$7 \times$	$= 14$	32	$8 \times$	$= 32$
20	$8 =$	$8 \times$	33	$9 \times$	$= 54$
21	$8 \times$	$= 16$	34	$4 \times$	$= 32$
22	$5 \times$	$= 40$	35	$7 \times$	$= 49$
23	$7 \times$	$= 63$	36	$56 =$	$8 \times$
24	$48 =$	$6 \times$	37	$12 =$	$\times 6$
25	$18 =$	$\times 9$	38	$72 =$	$\times 8$
26	$7 \times$	$= 42$	39	$8 \times$	$= 48$
27	$\times 4$	$= 28$	40	$\times 9$	$= 45$

## B

- 1 Pariat hi pangain puntir rawh.
2. 11 hi 5-in puntir raw'.
- 3 Siwm leh pahnh pariat puntir ebhuck chu engzânge ?

- 4 7 hi ka puntir a, a chhuak chu 21 a ni.  
Enginngae ka pnutir ?
- 5 Sawmli leh panga hi 4-in puntir rawh
- 6 8 hi 3-in puntir la, a chhuak chu pahnihin  
puntir rawh
7. 6 hi 5-in puntir la, chu chu pathumin puntir  
leh rawh.
- 8 Sawmhnihi leh pariat li pahin puntir rawh
- 9 42 hi 6-in ka puntir a, a chhuak chu eng  
zatrige ?
10. 9 hi engin emaw ka puntir a, a chhuak chu  
45 a ni a, eng number-in nge ka puntir?
- 11 Sawmkua leh pahnihi hi parukin puntir rawh.
12. Eng number emaw 4-in ka puntir a, a  
chhuak chu 24 a ni a, chu number chu eng-  
nge ni ?

## BUNG IV.

## SEM

Entirna — Puntirna or hawk kân, sem thiam tak tak tûr chuan puntir hmun thiam phawt a tûl a ni Sem hi juntir dân nên a inlethng blaue thurg a ni Thil engemawtia tam inzât theuhva hmun engemaw zâta sem rual theih dân a ni.

Hetiangan —

$$\begin{array}{r} 758 - 3 \\ \hline 252 \text{ leh a chuang 2} \end{array}$$

Semah chuan a vei lam tâwp ațanga sem tan tûr a ni Semtu 3 khian 7 khi kan han sem tan phawt a, a sem tâwk chiah lo va, mahse a hmun dik teuh ber kan zawng a, chu chu 2 a ni. Pathum (3) hmun binh chu 6 a ni a, tichuan 7 ațangin 6 kan pah a,  $(7-6=1)$  pakhat a lo chuang a, chu chu (3) pathum chuan a sem tham tawh lo va, 7 ding lam panga 5 chu kan la thia a, 15 a lo li a Chu chu 3 hmun 5 chiah a xi

a, 3 hmun 5 chu 15 a nih chiah avāngin a chuang a awm lo va, 5 ding lam parg 8 khi kau la leh ang a, kan sem leh ang. Figure pakhat aia tam lāk lo ngai ta sela, kan sem hma haub pawhin figure pakhat aia tam kan lāk zāt arg ang kha 0 (biai) dah phawt a ngai a ni 8 chu 3 chuan a sem tawk chiah lo va, a tung teuh ber kan zawng ang a, chu chu a hmun 2 a ni a, 3 hmun 2 chu 6 a ni a Tichuan ( $8-6=2$ ) 2 a chuang ta a, chu mī chuang chu a sem tham tawh lo va, ding lam pargah, a chhanna hmawrah, a semtu chungah kan dah thin a ni, entirna ang khian

Sem hi pahh tihtawira a ni kan ti thei bawh ang Entirna ang khian 758 hi 3-a sem tūr, tih chu, a awmzia chu 758 ah hian 3 hi vawt erg zātuge pahh chhuah theih, tihna ang a ni

Hriatreng tūr — Fem tih hi a semtuin a sem tūra sem ral tawk lo sela, a sem thei teuh ber zawng tūrin, a sem tūr aun a tām zāk ngai tūr a ni.

Fraction an la xir loh avāngin a chuang rēng rēng pawh fraction-an dah loh tūr a ni. A chuang a awm pawhin entirna ang hian dahfir mai tūr a ni. (Fraction a dah dân rēng rēng hian tiht. tūr a ni rih lo.)

TIHTUR 4.

A

1	12--4	10	22--2	19	84-7
2	21-7	11	46--2	20	88-8
3	15--5	12	33--3	21	96-8
4	42-6	13	84--1	22	364-2
5	24-8	14	76--4	23	633-3
6	51-9	15	75-5	24	884--4
7	12--1	16	72--6	25	152-2
8	18-3	17	91--7	26	136-4
9	27-3	18	72-9	27	565-5

AW

Number kim lo li dah khet rawh —

1	6	=2	11	48—	=6
2.	14-	=2	12	56—	=8
3	12—	=6	13	28—	=7
4	—4	=3	14	54—	=6
5	35—	=5	15	..-6	=4
6.	36—	=9	16	—7	=3
7.	—5	=3	17.	81—	=9
8	—9	=3	18	49—	=7
9	14—	=0	19.	63÷	=9
10.	81—	=9	20.	72—	=9

## B

Sem rawh —

1. $36-4$	14. $196-4$	27. $112-7$
2. $45 \div 5$	15. $370-5$	28. $110-5$
3. $996 \div 3$	16. $300-6$	29. $104-8$
4. $81-5$	17. $675-5$	30. $176-4$
5. $245-5$	18. $1010-2$	31. $115-5$
6. $342 \div 5$	19. $8401-6$	32. $119-7$
7. $108 \div 6$	20. $1688-8$	33. $168-12$
8. $294 \div 6$	21. $136-4$	34. $160-16$
9. $1000 \div 2$	22. $138-6$	35. $1648-16$
10. $1000 \div 4$	23. $132 \div 4$	36. $1848-12$
11. $300 \div 5$	24. $136-8$	37. $1834-13$
12. $162 \div 4$	25. $165-5$	38. $1898-13$
13. $40 \div 5$	26. $192 \div 6$	39. $840 \div 14$

## CII

1. 396 hi 3-in sem rawh.
2. 248 hi 4-in sem ıla, engzâtngê chhuak ang ?
3. Za leh sawmnga leh panga hi pangain sem ıla, engzâtngê chhuak ang ?
4. Zanga leh sawmthum leh panga hi pangain sem rawh.
5. Zasarîh leh sâwm leh palî hi pasarîhiu sem rawh
6. Zathum leh sawmhniîh leh pariat hi pariatin sem rawh
7. Parukin 726 hi sem ıla, engzâtngê chhuak ang ?
8. 369 hi 9-in sem rawh.
9. Zahî leh sawmnga leh pakua hi pakuaîn sem rawh
10. Pathumin sângkhat leh zathum leh sawmhniîh leh paruk sem rawh
11. Sângkhat leh zaruk leh sawmthum leh pahniîh hi sâwm leh parukin sem rawh.
12. Sâwm leh pathumin sângkhat leh zathum leh sawmhniîh leh paruk sem rawh.

BUNG V

(Tihâr bar denh zawk)

TIHTUR 5

A

Belh rawh :—

1. 102	2. 55	3. 47	4. 406
18	171	189	97
33	42	230	575
106	95	5	34
5. 35	6. 527	7. 309	8. 35
24	3	5	6
739	90	26	60
6	986	482	831
209	448	5	
9. 4	10. 80	11. 211	12. 239
5	270	222	254
457	7	333	207
277	52	444	20
	706	555	5

AW

Paib rawh .—

1 547— 204	6 5376—2077
2 8674—3578	7 8949—3557
3 8974—3507	8 6602—3566
4 896 - 350	9. 45064—7976
5. 6475—3246	10 8000— 376



B

Puntir rawh —

1 ✓ $86 \times 5$	8 $41 \times 8$	15. $384 \times 13$
2. $57 \times 4$	9 $53 \times 9$	16. ✓ $7(82 \times 10)$
3. $95 \times 3$	10. $78 \times 8$	17. $380 \times 12$
4. $89 \times 4$	11 $145 \times 12$	18. $157 \times 14$
5 $67 \times 3$	12 $377 \times 11$	19. $580 \times 16$
6 $37 \times 6$	13. $120 \times 16$	20. $325 \times 15$
7. $39 \times 7$	14 $242 \times 15$	21. $1780 \times 12$

CH

Sem rawh :—

1. $48 - 2$	8. $630 - 3$	15 $294 - 14$
2. $63 \div 3$	9. $432 - 8$	16. $360 \div 15$
3. $56 - 4$	10. $711 - 9$	17. $1494 \div 6$
4. $75 \div 5$	11. $372 - 12$	18. $1188 \div 9$
5. $84 \div 6$	12 $800 \div 16$	19. $1256 \div 8$
6. $182 - 7$	13. $567 - 9$	20. $1277 \div 7$
7. $264 \div 8$	14. $944 \div 8$	21. $1380 \div 5$

## BUNG VI.

## TIHTUR 6. (Tiaréng)

- 1 A thuin ziaak rawh 15, 24, 105, 98  
146, 196, 120
2. 25, 124, 101, 161 hi belh rawh
- 3 Figure-in ziaak rawh —
  - (1) Sawmsarih leh pahnih.
  - (2) Za leh sawm leh pakua.
  - (3) Zahnih leh sawm leh panga.
  - (4) Za leh pasarib.
  - (5) Zahnih leh sawmthum leh pall.
- 4 675 atengia sawmkua leh pariat pah rawh.
- 5 384 hi 16-in sem rawh.
6. Zahnih leh sawmli leh panga hi pasaribin sem rawh.

- 7 638-ah hian 299 pah ila, engzAtnge la bâng eng !
- 8 124 hi 15-in puntir rawh
- 9 Zahnih leh sawmthum leh pashih hi 12-in puntir rawh.
- 10 Sangkhat leh zathum<sup>4</sup> leh sawmthum leh pakua hi 13-in sem rawh.

## INDIA TANGKA

Chéng	1	=	100	Nala	paise	(nP)
Duli	1	=	50	"	"	
Siki	1	=	25	"	"	
			10	"	"	
			5	"	"	
			2	"	"	
			1	"	"	

## BUNG VII TANGKA BELH.

Entirna — Rs. nP.

5 64

14 36

20 22

40 22

Naya paise 100 zél kha Re. 1 a ni mai a, chuvángin Rs leh nP thlûr hnihin a kal dawn a, 100 (sa) a tlin veleh chéng a lo ni mai zél ang.

NP "pa" hmuna mi khi kan belh a,  $4+6+2=12$  a ni a 1 kan kalpui a, "pa" hmunah 2 kan dah a. nP "sáw" hmuna mi kan belh leh a,  $6+3+2=11$  a lo bi a, kalpui 1 nèn  $11+1=12$  a lo ni a Tin, 2 kha kan dah a, 1 kha chéng hmunah kan kalpui leh ta a ni.

Paibah leh semah pawh hetláng zél hian a zabi chin chauh khân then zél a ni ang.

## TIHTUR

Belh rawh:—

A

np	np.	np	np.
1. 16	2. 18	3. 17	4. 26
13	21	33	15
5. 19	6. 18	7. 36	8. 10
23	24	26	24
9. 19	10. 10	11. 11	12. 11
26	18	25	28

AW

np.		np		np	
1	62 36	2	25 54	3	23 65
4	77 23	5.	39 54	6	25 59
Rs np.		Rs np		Rs np	
7.	10· 17 6 18	8.	12 25 5 18	9.	15· 26 10· 33
10.	16 19 22 44	11	13 16 4 27	12.	9· 10 4 06

B

1.	13· 54 26· 41 23 21	5.	10 86 6 91 2 60	9.	1 86 2 73 1 23
2	25 16 34 23 62· 30	6	2· 11 7 28 2 33	10	1 46 2 36 1 23
3.	16· 10 33 06 27 26	7. <sup>v</sup>	29 31 18· 09 43 33	11.	2 22 3 15 1 35
4.	2· 42 3 20 6 46	8	1 36 2· 24 2 02	12.	2 15 1 35 2 25

## BUNG VIII

## TANGKA PAIH

Entirna —

Paih rawh    Rs. 24.15—Rs. 12 27

Rs. np.

24. 15—

12 2711. 88

5 nP atang huan 7 a paish theih loh avāngin  
 nP sām hmuna mī hi 1 (sawmkbat) kan pūk a.  
 Tichuan 15 atanga 7 kan paish chuan 8 a la awm  
 a, 8 hi kan dah a    NP sām hmun atangin 1  
 kan lāk tawh avāngin nP 0 hmun atangin 2 nP  
 paish tūr a ni a    0 atangin kan paish theih loh  
 avāngin chēng hmuna mī 10 kan pūk a. Tichuan  
 10 atanga 2 paish (10 -2) chuan a bāng chu 8 a  
 ni a. Tichuan 8 hi kan dah ang    Chutiāng zōlin  
 chēng hmuna 4 ami 1 kan pūk tawh avāngin, 3  
 atanga 2 paish chu 1 a ni a.    Tin, 2 atanga 1  
 kan paish chuan 1 a la awm ang.

Tichuan a pum pula paih chhuak zawng chu  
Rs. 11. 88nP. a ni.

Tih dân dang :—

NP. 15 atangin nP. 27 paih theih a nih loh  
avângin chéng hmuna mi 1 kan pûk ang a, chu  
chu 100 nP a lo ni.

Tichuan nP.  $(100+15) = 115$  atangin 27 kan  
paih a, a chhuak chu 88 a ni. Tin, Rs 4 atang  
khân 1 kan pûk tawh avângin 3 atang hian 2  
kan paih chuan 1 a ni a. Tin, Rs. 2 atanga 1  
kan paih chuan 1 a la bâng leh a ni.

Tichuan a pum pula paih chhuak chu  
Rs. 11 88 nP. a ni. Chutiang zêlin—

## TEHTUR 8.

## A

Paib rawh :— (Rilru ohhiarkawpa tih hmasak tûr)

	np.		np.		np.		np.
1.	6 3	2.	7 4	3.	9 2	4.	10 8
	np.		np.		np.		np.
5.	11 8	6.	16 5	7.	12 4	8.	13 7
	np.		np.		np.		np.
9.	21 12	10.	32 25	11.	35 27	12.	54 45
	np.		np.		np.		np.
13.	46 37	14.	75 57	15.	66 59	16.	87 69
	np.		np.		np.		np.
17.	95 38	18.	78 69	19.	95 89	20.	97 79
	np.		np.		np.		np.
21.	88 69	22.	68 59	23.	98 89	24.	93 27
	np.		np.		np.		np.
25.	97 29	26.	83 39	27.	78 59	28.	91 89



## I W

Paih rawh.—

1. Rs. nP. 16. 25 14 36	2. Rs. nP. 35 44 27. 34	3. Rs. nP. 42. 32 33. 16
4. Rs nP 35. 72 24. 80	5 Rs. nP. 56. 72 37. 09	6. Rs. nP 65 37 58 19
7. Rs. nP. 75. 16 70. 25	8. Rs nP. 67 43 65 08	9. Rs. nP. 81. 93 18 39
10 Rs. nP. 125. 42 74 26	11. Rs. nP. 105 12 25. 09	12. Rs nP. 92. 33 16 75
13. Rs. nP. 214 32 45 26	14. Rs. nP. 226 34 108 27	15. Rs nP 186. 32 174. 25
16. Rs. nP 354 27 351. 18	17. Rs nP. 256 19 158 10	18 Rs. nP. 345 77 150. 29
19. Rs. nP. 542. 27 506. 19	20. Rs nP. 455. 35 447 26	21. Rs. nP. 516. 37 309. 99

BUNG IX.  
TANGKA PUNTÎR

Entirna      Puntir rawh — Rs 125.72 × 6

$$\begin{array}{r} \text{Rs nP} \\ 125.72 \times 6 \\ \hline 754.32 \end{array}$$

NP. 2 hi 6-a puntir chuan 12 a ni a 2 kha pa hmuah kan dah a, 1 kan kalpui a. 7 hi 6-a kan puntir chuan 42 a ni a, kalpui nân 43 a ni. 3 hi kan dah a, 4 (sawmh) hi chông hmuah kan kalpui a.

Rs 5 kha 6-a kan puntir chuan 30 a ni a, kalpui nân 34. 4 kha kan dah a, 3 kan kalpui a. Tichuan 2 kha 6-a kan puntir chuan 12 a ni a. kalpui nân 15 a lo ni. 5 kan dah a, 1 kan kalpui a. Tichuan 1 kha 6-a kan puntir chuan 6 a ni a, kalpui nân 7 a lo ni.

Tichuan puntir ohhuak chu Rs. 754.32 nP. a lo ni. Chutiang zêh.

Chhinchhih tûr — (1) NP ringawt kha a  
 hranin la ða nP 72 hi 6-a kan puntir chuan—  
 $72 \times 6 = 432$  a ni Hei hi chêngah kan chantir  
 chuan 100-in kan sem ang a Tichuan a vaw 4-  
 ah 32 a chuang a, tichuan 32 kha nP hmuna  
 kan dah a, 4 kha chêng hmuna kan kalpui ang

(2) A chbaka ni  $72 \times 6 = 432$  nP. khi chênga  
 kan chantir chuan, za bi chin apiang lak tûr a  
 ai a Sawn bi chin zêl chaub khi nP. hmuna  
 kal tûr a ni mai (Hetiangin—  $4 \cdot 32$  chu  
 Rs 4 32 nP tihua a ni mai)

## TIHTUR 9.

A

Puntir rawh.—

1. Rs np.	2. Rs np.	3. Rs. np.
2 22×4	9· 14×5	13· 25×3

4. Rs. np.	5. Rs. np.	6. Rs. np
12· 25×4	14· 16×8	14· 22×5

7. Rs np	8. Rs. np.	9. Rs np.
11· 18×3	21· 14×7	14· 09×8

10 Rs. np	11. Rs np.	12. Rs. np
9· 12×7	14 15×5	18· 12×9

13. Rs. np.	14. Rs. np.	15. Rs. np.
12· 12×8	13· 14×7	14· 11×6

16. Rs. np.	17. Rs. np.	18. Rs. np.
15· 18×5	13· 19×6	15· 16×9

AW

Puntir rawh —

- |                           |                          |                         |
|---------------------------|--------------------------|-------------------------|
| 1. Rs. np.<br>14· 16×5    | 2. Rs. np.<br>19· 14×6   | 3. Rs np.<br>19 24×4    |
| 4. Rs. np.<br>24 12×12    | 5. Rs. np.<br>15 14×13   | 6. Rs.np.<br>24·12×15   |
| 7. Rs np<br>85 23×11      | 8. Rs np.<br>42 24×15    | 9. Rs np.<br>54·45×9    |
| 10. Rs. np.<br>64· 32×12  | 11. Rs. np.<br>48· 54×13 | 12. Rs.np.<br>124·32×16 |
| 13. Rs. np.<br>134· 27×11 | 14. Rs. np.<br>146 65×10 | 15. Rs.np.<br>176 75×9  |
| 16. Rs. np.<br>116· 74×14 | 17. Rs. np.<br>105 27×16 | 18. Rs.np.<br>215·74×15 |

## BUNG X. TANGKA SEM

Entirna :— Sem rawh— Rs 185 52np —12

$$\begin{array}{r}
 \text{Rs. np.} \\
 12)185 \cdot 52 \\
 \hline
 15 \ 46
 \end{array}$$

Sem dân pângngais sem mai a ni 18 hi 22-  
a kan sem chuan, a vaw khatah 6 a chuang a.  
Tin, 5 khi kan la thla ang a, 65 a lo ni a 12-in  
a tling teuh ber a vaw 5 a ni a Tin, 5 a  
chuang leh a. Chéng hmuna mun a daih ták loh  
avângin nP. hmuna mi 5 khi kan la leh a, 55 a  
lo ni a. Chu chu 12-a kan sem chuan a vaw 4-  
ah 7 a chuang a. Tin, 2 kan la leh a, 72 a lo  
ni a. Chu chu 12-a kan sem chuan a vaw 6  
chiah a ni. Tichuan a sem chhuak chu Rs. 15  
46 np. a ni.

$$\text{Chu chu Rs } 185 \cdot 52\text{np.} \div 12 = \text{Rs } 15 \cdot 46\text{np.}$$

## TIHTUR 10

## A

Sem rawh —

1 <sup>c</sup> Rs np 4 8-4	2 <sup>c</sup> Rs np 15 10-5	3. Rs np 18 12-5
4 <sup>c</sup> Rs np. 24 16-8	5 Rs np 27 45-9	6 Rs np. 33 42-3
7. Rs np 45 35-5	8 J <sup>c</sup> np 49 77-7	9 Rs np. 88 40-5
10. Rs np 84 27-7	11 Rs np 96 32-8	12. Rs np 95 65-5
13. Rs np. 128 96-8	14. Rs np 136 72-9	15. Rs np. 147 91-7
16. Rs np. 145 75-5	17. Rs np. 186 96-6	18. Rs np 198 72-9

## AW

Sem rawh —

1. Rs. np. 96 72-8	2. Rs. np. 72 54-9	3. Rs np 147 49-7
4. Rs. np. 48 96-12	5. Rs np 91 78-13	6. Rs np 70 84-14
7. Rs np. 90 45-15	8. Rs np 125 40-12	9. Rs np. 119 90-13
10. Rs np. 148 80-16	11. Rs. np 133 98-11	12. Rs np 244 92-12
13. Rs. np. 425 25-15	14. Rs. np. 118 86-14	15. Rs.np. 182 25-15
16. Rs. np. 192 96-16	17. Rs. np. 294 56-14	18. Rs.np. 289 60-16



## TIHTUR 11

- 1 Rs 22 44np leh Rs 12 38np hi belh rawh.
2. Chêng sawmthum leh pah leh nP sawmnga leh chêng sâwm leh paruk leh nP sawmnga leh pahnih hi belh rawh.
3. Rs 142 18np atâng hian Rs 140 28np pah rawh
- 4 Chêng sawmriat leh nP sawmriat atâng hian chêng sawmsarih leh nP sawmkua pah rawh
- 5 Rs. 72 15np atâng hian chêng sawmnga leh panga leh nP 25 pah rawh
- 6 Rs 115 15np hi parukin puntir rawh
- 7 Puntir rawh , Rs 76 45np  $\times$  12
- 8 Sâwm leh parukin chêng sawmhni leh panga leh nP sawmthum leh pahnih puntir rawh
- 9 7-in Rs 224 91np hi sem rawh
- 10 Rs 185 76np hi pariatin sem rawh
- 11 Sâwm leh pah-in chêng za leh sâwm leh pariat leh nP sâwmriat leh paruk hi sem rawh.
- 12 Rs 156 45np hi Rs. 150 75 a hian engzatim nge a tam !

